

SINCLAIR OIL & GAS COMPANY Become Successor
Designated Operator Effective November 26,
1963. Formerly Western Nat. Gas Company.

out

File

ned

approval Letter

P. & A. or

ted

Pin changed on location map

Affidavit and Record of A & P

Water Shut-Off Test

Gas-Oil Ratio Test

Well Log Filed

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11-14-56

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FILE NOTATIONS

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

I W R for State or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed 1-5-57

OW ☒ WW ☐ TA ☐

GW ☐ OS ☐ PA ☐

Location Inspected

Bond released

State of Fee Land

LOGS FILED

Driller's Log 1-11-57

Electric Logs (No.) None Run on Well

E ☐ I ☐ E-I ☐ GR ☐ GR-N ☐ Micro ☐

Lat ☐ Mi-L ☐ Sonic ☐ Others ☐

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

Window Rock, Arizona

Allottee _____

Lease No. 1-149-IND-7180

X		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

October 26, 1956

Well No. English 8 is located 2296 ft. from N line and 671 ft. from Ex line of sec. 22

SW/4 NW/4 22
(1/4 Sec. and Sec. No.)

43-S
(Twp.)

22-E
(Range)

SIBM
(Meridian)

Boundary Butte
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Plan to drill with rotary tools to a total depth of 1550' and complete in the Coconino sand. Will set one joint of 8 5/8" conductor casing and 1500' of new 5 1/2" 14# J-55 ST&C casing with 50 sacks cement. Expected top of Coconino 1500'.

Request for approval of unorthodox location has been submitted to the State of Utah Oil & Gas Conservation Commission.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company WESTERN NATURAL GAS COMPANY

Address 823 Midland Tower

Midland, Texas

By Ray C. Jeter

Title Assistant Division Superintendent

COMPANY WESTERN NATURAL GAS COMPANY, ET. AL.

Well Name & No. ENGLISH NO. 8 Lease No. I-149-IND. 7180

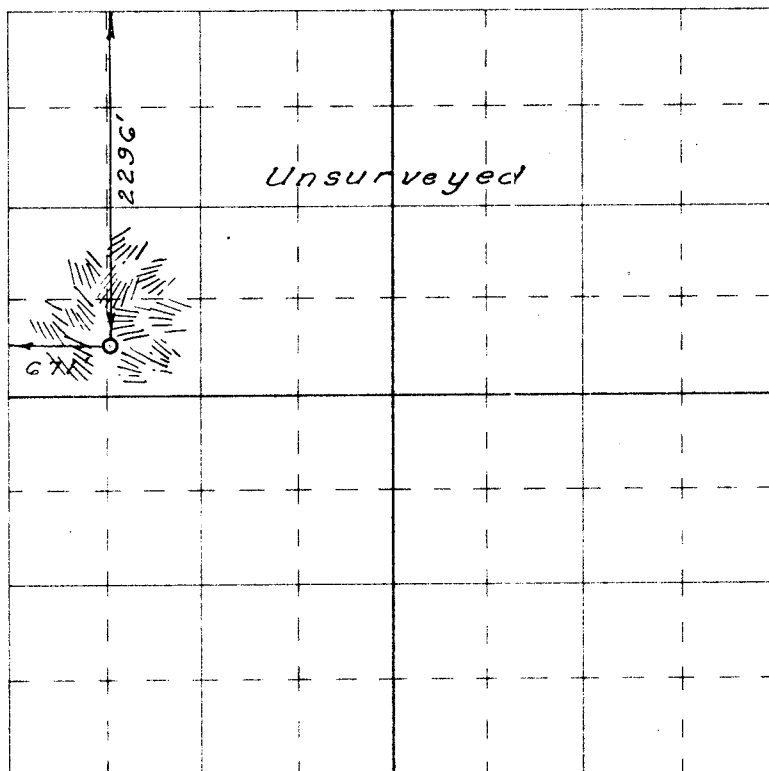
Location 2296 FROM THE NORTH LINE, 671 FROM THE WEST LINE

Being in SW 1/4 NW 1/4

Sec. 22, T-43-S, R-22-E, SLB&M

Ground Elevation

SAN JUAN COUNTY, UTAH



Scale -- 4 inches equals 1 mile

Surveyed OCTOBER 13, 1956

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

C. O. Walker

Registered Professional
Engineer and Land Surveyor.

Seal:

Farmington, New Mexico

Western Natural Gas Company

1006 MAIN STREET

Houston 2, Texas

October 26, 1956

ADDRESS CORRESPONDENCE TO
823 MIDLAND TOWER BUILDING
MIDLAND, TEXAS

Re: Location of the Western Natural
Gas Company #8 English
Boundary Butte Field
San Juan County, Utah

Utah Oil and Gas Conservation Commission
Room 105, Capitol Building
Salt Lake City, Utah

Attention: Mr. Herbert F. Smart

Gentlemen:

We respectfully request your approval of the following unorthodox location for the Western Natural Gas Company et al #8 English in order to obtain the most favorable location possible in respect to the terrain for further evaluation of the shallow Coconino oil reservoir.

As is shown by the attached exhibits, all of the wells which have been drilled to this oil zone previously have been drilled on a 10 acre spacing pattern. This pattern was adopted due to the limited extent of the productive area.

Western Natural Gas Company et al own all the offset acreage and the proposed location for the English #8 would conform to this already established spacing pattern. For the above reasons we respectfully request the following location.

2296' from the North Line and
671' from the West Line of Section
22, Township 43 South, Range 22 East,
San Juan County, Utah:
Being in the NW/4 SE/4 SW/4 NW/4 of
said section and 760' due West of the
presently producing English #4.

>

Attached hereto and made a part hereof we submit Exhibits A, B and C in support of this application along with a licensed surveyors plat of the English #8 location.

Very truly yours,

WESTERN NATURAL GAS COMPANY



Roy C. Jeter
Division Geologist

RCJ:jh

encls

2

EXHIBIT A

The Boundary Butte structure is located on unsectionized Navajo Indian Lands. As a result, the first seven wells which we drilled on this feature in 1948 and 1949 were surveyed-in from Mile Post 255 on the Arizona-Utah State line.

Approximately 3 years ago the Bureau of Land Management established section corners along the Township Lines and since that time we have used these corners in making new locations.

We now find that there is a difference of 496' on north-south lines and 192' on east-west lines between the original location surveys and the new. However, this difference does not effect the relationship of the wells to each other as they are all tied-together but only effects the position of the wells within the section.

Exhibit B shows the relationship, location and structural position of the shallow oil wells with the old locations shifted to conform with the new survey and the proposed English #3 location.

Exhibit C shows this same information based on the well location surveys made in 1948 and 1949.

We are in the process of having all of the locations on this structure re-surveyed and put on a common base survey. After completion of this project we will furnish you with copies of the same.

15

W.N.G. ET AL
I-149-IND-7180

W.N.G. ET AL
I-149-IND-7180

W.N.G. ET AL
(P.B. English)
I-149-IND-7180

W.N.G. ET AL
I-149-IND-7180

21

23

27

T43S—R22E SAN JUAN CO., UTAH

WESTERN NATURAL GAS COMPANY

A PORTION OF BOUNDRY BUTTE FIELD

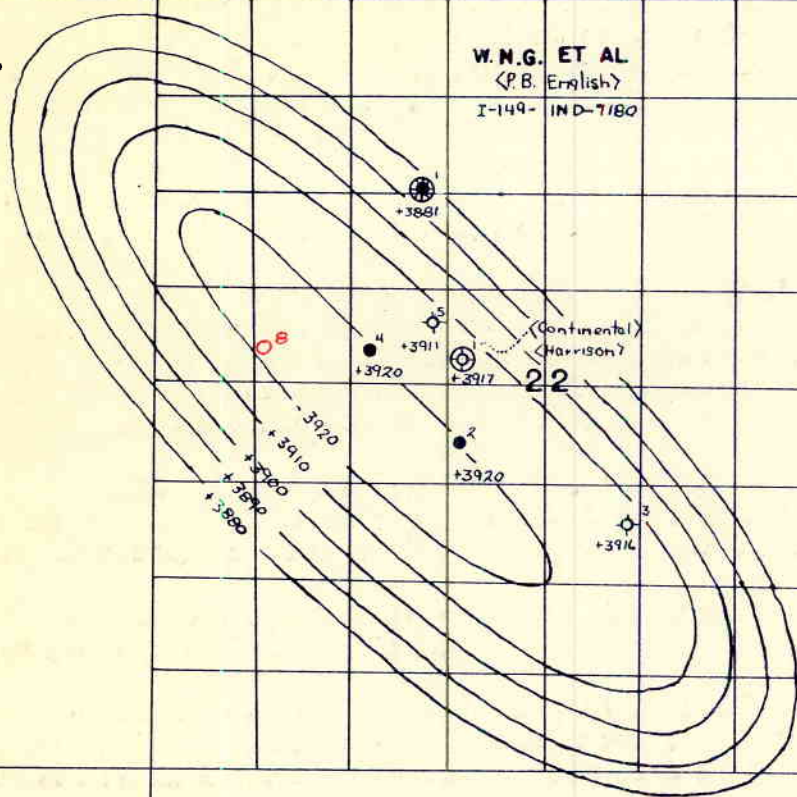
EXHIBIT "B"

O proposed location

CONTOURED ON: Top Coconino Sand

CONTOUR INTERVAL: 10 ft

SCALE: 4" = 1 mile



October 26, 1956

Re: Location of the Western Natural
Gas Company #8 English
Boundary Butte Field
San Juan County, Utah

Utah Oil and Gas Conservation Commission
Room 105, Capitol Building
Salt Lake City, Utah

Attention: Mr. Herbert F. Smart

Gentlemen:

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671' from the West Line of Section
22, Township 43 South, Range 22 East,
San Juan County, Utah:
Being in the NW/4 SE/4 SW/4 NW/4 of
said section and 760' due West of the
presently producing English #4.

14

NOV 16 1956

Attached hereto and made a part hereof we submit Exhibits A, B and C in support of this application along with a licensed surveyors plat of the English #8 location.

Very truly yours,

WESTERN NATURAL GAS COMPANY

Ray C. Jeter

Ray C. Jeter
Division Geologist

RCJ:jh

encls

15

100-78700

EXHIBIT A

The Boundary Butte structure is located on unsectionized Navajo Indian Lands. As a result, the first seven wells which we drilled on this feature in 1948 and 1949 were surveyed-in from Mile Post 255 on the Arizona-Utah State line.

Approximately 3 years ago the Bureau of Land Management established section corners along the Township lines and since that time we have used these corners in making new locations.

We now find that there is a difference of 496' on north-south lines and 192' on east-west lines between the original location surveys and the new. However, this difference does not affect the relationship of the wells to each other as they are all tied-together but only effects the position of the wells within the section.

Exhibit B shows the relationship, location and structural position of the shallow oil wells with the old locations shifted to conform with the new survey and the proposed English #3 location.

Exhibit C shows this same information based on the well location surveys made in 1948 and 1949.

We are in the process of having all of the locations on this structure re-surveyed and put on a common base survey. After completion of this project we will furnish you with copies of the same.

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SHR 18 700

October 31, 1956

AIR MAIL

Western Natural Gas Company
823 Midland Tower
Midland, Texas

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. English 8, which is to be located 2296 feet from the north line and 671 feet from the west line of Section 22, Township 43 South, Range 22 East, SEEM, San Juan County.

Please be advised that approval to drill said well to a total depth of 2000 feet on said unorthodox location is hereby granted under Rule C-3 (c), General Rules and Regulations and Rules of Practice and Procedure, Oil and Gas Conservation Commission, State of Utah.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT
SECRETARY

CBF:en

cc: Phil McGrath
USGS, Farmington,
New Mexico

OK.
Noted
Cass.
10/31/56

APPROVEDForm 9-331b
(April 1952)

DEC 19 1956

JERRY W. LONG
DISTRICT ENGINEER

(SUBMIT IN TRIPPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYBudget Bureau No. 42-R359.4.
Approval expires 12-31-60.Indian Agency Navajo
Window Rock, Arizona

Allottee _____

Lease No. I-149-IND-7180**SUNDRY NOTICES AND REPORTS ON WELLS**

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	<u>Setting Casing</u>	<u>x</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 19, 1956

Well No. 8 is located 2296 ft. from N line and 670 ft. from E line of sec. 22SW/4 NW/4 22
(1/4 Sec. and Sec. No.)43-8
(Twp.)22--E
(Range)SLEM
(Meridian)Boundary Butte
(Field)San Juan
(County or Subdivision)Utah
(State or Territory)

The elevation of the derrick floor above sea level is _____ ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

On November 13, 1956 ran 1471' (47 joints) new 5 1/2" 14# J-55 STMC casing set at 1481' and cemented with 75 sacks neat cement. Used pump and plug method to cement.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company WESTERN NATURAL GAS COMPANYAddress 823 Midland TowerMidland, TexasBy John B. ThomasTitle Office Manager

Western Natural Gas Company

1006 MAIN STREET

Houston 2, Texas

December 26, 1956

ADDRESS CORRESPONDENCE TO
823 MIDLAND TOWER BUILDING
MIDLAND, TEXAS

*Notes
cost
1-2-57*

State of Utah
Oil and Gas Conservation Commission
Salt Lake City, Utah

Attention of Cleon B. Feight, Secretary

Gentlemen:

Attached please find two copies of U.S.G.S.
form 9-331 b covering the production casing string
at our English #8, San Juan County, Utah.

Very truly yours,

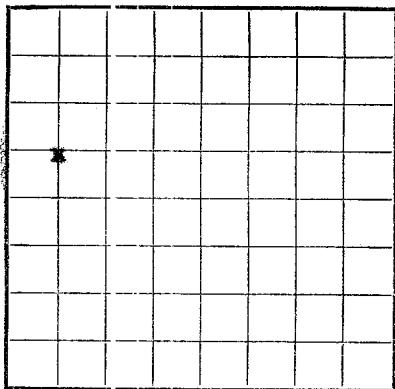
WESTERN NATURAL GAS COMPANY

John B. Thomas
Office Manager

JBT:jh

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LOCATE WELL CORRECTLY

 U. S. LAND OFFICE _____
 SERIAL NUMBER _____
 LEASE OR PERMIT TO PROSPECT _____
1-149-IND-7180

 UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY
LOG OF OIL OR GAS WELL
 Company Western Natural Gas Company Address 823 Midland Tower, Midland, Texas
 Lessor or Tract English Field Boundary Butte State Utah
 Well No. 4 Sec. 22 T. 43S R. 22E Meridian SLBM County San Juan
 Location 1296 ft. N. of N. Line and 670 ft. E. of W. Line of Sec. 22 Elevation 5404 K.B.
(Derrick floor relative to sea level)

 The information given herewith is a complete and correct record of the well and all work done thereon
 so far as can be determined from all available records.

Signed

 Date 1-9-57 Title Office Manager

The summary on this page is for the condition of the well at above date.

 Commenced drilling November 9, 1956 Finished drilling November 14, 1956
OIL OR GAS SANDS OR ZONES

(Denote gas by G)

 No. 1, from 1493 to 1504 No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____
IMPORTANT WATER SANDS
 No. 1, from 1493 to 1504 No. 2, from _____ to _____
 No. 3, from _____ to _____ No. 4, from _____ to _____
 No. 5, from _____ to _____ No. 6, from _____ to _____
CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>5 1/2"</u>	<u>140</u>	<u>8</u>	<u>J-S Sals 1471</u>	<u>Float</u>					<u>Production</u>
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>3 1/2"</u>	<u>1481</u>	<u>75</u>	<u>Pump & plug</u>	<u>"</u>	<u>"</u>

PLUGS AND ADAPTERS
 Heaving plug—Material _____ Length _____ Depth set _____
 Adapters—Material _____ Size _____

FOLD MARK

34	1481	75	Pump & plug	-	-

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
 Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 1504 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____
 1-7-57 The production for the first 24 hours was 23 barrels of fluid of which 100% was oil; _____%
 emulsion; _____% water; and _____% sediment. Gravity, °Bé. 48
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

L. B. Slaughter _____, Driller
 R. O. Blackledge _____, Driller
 R. D. Blackledge _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	500	500	Sand w/shale strks
500	560	60	Sand & Shale
560	1170	610	Shale w/Lime & Sand strks
1170	1290	120	Sand & Shale
1290	1360	70	Sand w/shale
1360	1493	133	Shale w/Sand strks
1493	1504	11	Sand w/sh Shale strks
			T/Shinarump 1160
			T/Moenkopi 1280
			T/Coconino 1493
FROM—	TO—	TOTAL FEET	FORMATION

FIELD MARK

Drillers—	Material	Depth	Driller
PLUGS AND ADAPTERS			
32	1281	12	1281
Casing size	Weight per foot	Number joints of casing	Method used

MUDDING AND CEMENTING RECORD

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE							
HISTORY OF OIL OR GAS WELL							
<p>It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.</p>							
Casing size	Weight per foot	Depth per	Make	Amount	Kind of shot	Shot and pulled from	Purpose

CASING RECORD

Drilled well to TD 1483 (Driller footage). On 12-14-56 ran 47 joints (1438') of used 2 3/8" OD SUE 4.7# E-40 8rd T&C tubing. Set National Supply Co. E-7 pumping unit with 1450' National Grade 81 5/8" rods and 81' volume producer pump. The well is completed natural. No electrical or radioactivity logs were run on this well.

No. 3' from	to	No. 6' from	to
No. 2' from	to	No. 5' from	to
No. 1' from	to	No. 4' from	to

(Denote gas pH Q)

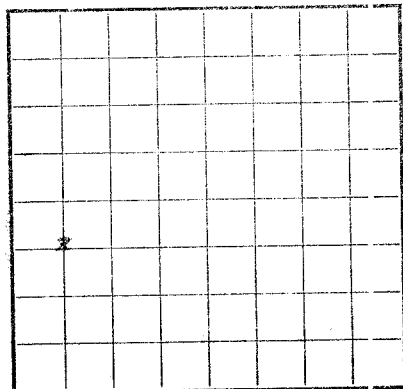
OIL OR GAS SANDS OR ZONES

Commenced drilling ~~1-2-57~~ 1-2-57 Finished drilling ~~1-2-57~~ 1-2-57

The summary on this page is for the condition of the well at above date.
 Date 1-2-57

Signed _____
 so far as can be determined from all available records.
 The information given herewith is a complete and correct record of the well and all work done thereon.
 Location 330' W. of S. of T. 12E and 21N of E. of T. 12E of S. 22E
 Well No. 330-53-12E-21N-22E
 Lessor or Trust _____
 Company _____
 Address _____

LOCATE WELL CORRECTLY



LOC OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

1-148-120-1 (8)

LEAVE OF PERMIT TO PROBE

SERIAL NUMBER

U. S. LAND OFFICE

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: **Window Rock, Arizona**
SERIAL NO.: **I-149-Ind-7180**

and hereby designates

NAME: **Sinclair Oil & Gas Company**
ADDRESS: **601 Denver Club Bldg., Denver, Colo.**

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

English-WN

#8

Located: Sec 22, T-43-S, R-22-E, SLBM, San Juan County, Utah

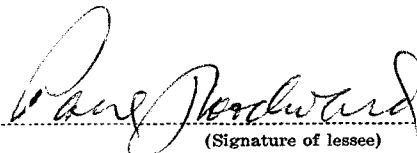
It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

Formerly: Western Natural Gas Company Lease

Effective November 26, 1963.


(Signature of lessee)

Western Natural Gas Company
821 Midland Tower
Midland, Texas
(Address)

November 26, 1963
(Date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐ other ☐
well well

2. NAME OF OPERATOR ARCO Oil & Gas Company, a
Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR
P.O. Box 5540, Denver, Colorado 80217

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17
below.)
AT SURFACE: 2230' FNL & 760' FWL, Section 22
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,
REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☒

(other) Temporarily Abandon ✓

SUBSEQUENT REPORT OF:

☐
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☐
☐
☐
☐
☐

5. LEASE
I-149-Ind-7180 ✓

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
English Unit ✓

8. FARM OR LEASE NAME
English WN

9. WELL NO.
8

10. FIELD OR WILDCAT NAME
Boundary Butte

11. SEC., T., R., M., OR BLK. AND SURVEY OR
AREA
Section 22-43S-22E

12. COUNTY OR PARISH 13. STATE
San Juan Utah

14. API NO.
None

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5395' GL

(NOTE: Report results of multiple completion or zone
change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates,
including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and
measured and true vertical depths for all markers and zones pertinent to this work.)*

ARCO hereby requests permission to set a bridge plug above the Coconino open perforations (1481'-1504') in the subject well. This is in compliance with the requirements as set forth in a memorandum dated October 1, 1982, and a subsequent letter of May 5, 1983, both from the Minerals Management Service, Department of the Interior (copies attached). As stated in our letter of May 25, 1983 (attached), we plan on re-evaluating this well as a water injector if oil market conditions improve and do not wish to permanently plug and abandon the well at this time. Attached is the procedure for temporarily abandoning the well.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 8-2-83

BY: [Signature]

Subsurface Safety Valve: Manu. and Type _____

Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Stephen C. Rose TITLE District Production Superintendent DATE 8-2-83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL IF ANY:

TA PROCEDURE FOR ENGLISH WN8, BOUNDARY BUTTE FIELD

Location: SWNW Section 22-T435-R22E, San Juan County, Utah

Current Status: 5-1/2", 14# casing @ 1481', estimated TOC - 1044'
2-3/8", 4.7# tubing @ 1476'

Perforations: 1481' - 1504' OH

Procedure:

1. Move onto location and R/U.
2. Unseat tubing hanger and pull 2-3/8", 4.7# tubing from hole.
3. N/D tubing head.
4. R/U wireline unit. Make gauge ring run through 5-1/2", 14# casing to \pm 1470'. P/U bridge plug with setting tool on wireline and set at \pm 1460'.
5. R/U cementing unit. Mix and spot 5 sxs of Class "B" cement on top of bridge plug using dump bailer.
6. N/U tubing head. *
7. R/D and move to next location.

* Wellbore to contain 2% KCl water.

COST ESTIMATE

Bedford Inc. (Farmington, NM (505) 325-1211) will furnish:	\$ 3,000
pulling unit (70', 160,000# derrick)	
bridge plugs	
wireline unit, setting tool, and dump bailer	
cement along with mixing equipment, displacement pump	
and mixing pump	
75 bbl tank for disposal purposes	
Trucking costs (tubing to yard in Farmington)	400
Water	400
Site preparation (anchor setting)	300
Miscellaneous	500
ARCO Supervision	500
	<hr/>
	\$ 5,100

8
Co.

Vaughey
4707 T.D.

ENGLISH UNIT
A R.Co. 50% Opr.
Conoco etal 50%

Co.

A.R.Co.

Eldorado
5470 T.D.

Sinclair
5000 T.D.

7

16

A.R.Co.

Co.

Sunray
5641 T.D.

A.R.Co.

A.R.Co.

20

21

Mutual Oil
502 T.D.

9

28

27

11

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
Other instructions on reverse side

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

LEASE DESIGNATION AND SERIAL NO

I-149-Ind-7180

IF INDIAN, ADOPTED OR TRIBE NAME

Navajo

UNIT AGREEMENT NAME

English Unit

FAIRM OR LEASE NAME

English WN

WELL NO.

8

FIELD AND POOL, OR WILDCAT

Boundary Butte

SEC., T., R., W., OR BLK. AND
SURVEY OR AREA

Sec. 22-T43S-R22E

COUNTY OR PARISH: 13. STATE

San Juan

Utah

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR ARCO Oil and Gas Company, Div. of
Atlantic Richfield Company

3. ADDRESS OF OPERATOR 707-17th Street,
P.O. Box 5540, Denver, Colorado 80217

4. LOCATION OF WELL Report location clearly and in accordance with any State requirements.
See also space 17 below
At surface

2296' FNL & 670' FWL, Section 22

14. PERMIT NO.

15. ELEVATIONS (Show whether OF, RT, OR, etc.)

API#-None

5395' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

PULL OR ALTER CASING ☐

WATER SHUT-OFF ☐

REPAIRING WELL ☐

FRACTURE TREAT ☐

MULTIPLE COMPLETION ☐

FRACTURE TREATMENT ☐

ALTERING CASING ☐

SHOOT OR ACIDIZE ☐

ABANDON* ☒

SHOOTING OR ACIDIZING ☐

ABANDONMENT* ☐

REPAIR WELL ☐

CHANGE PLANE ☐

(Other) ☐

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

ARCO Oil and Gas Company hereby requests permission to permanently plug and abandon the subject well.

The BLM previously approved for one year our request in August, 1983 to temporarily abandon the subject well. We have re-evaluated this well and have determined that this shallow Coconino zone completion does not have any future beneficial use to the lease operations. Therefore, in compliance with the BLM request of March 26, 1985, we propose to permanently P&A this well.

Attached is the proposed procedure for plugging and abandoning this well.

We plan to commence plugging operations by June, 1985.

Federal approval of this action
is required before commencing
operations.

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 4/12/85

BY: John R. Bays

18. I hereby certify that the foregoing is true and correct

SIGNED

Stephen Rose

TITLE Dist. Prod. Sup't.

DATE 3-28-85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



Date: December 13, 1984

Subject: Proposed P & A Procedure
English #2, 4, 5, 8, 26, 31, and 36
San Juan County, Utah

From/Location: C. D. Trigg, Farmington

To/Location: M. D. Robinson, DT-33075

WELL DATA:

English #2

T.D. - 1514
10-3/4 Csg. @ 935'
7" Csg. @ 1492'
Prod. openhole. 1492'-1514'
43 Jts., 2-3/8, J-55, 4.70# Tbg. EUE
1 - S.N.
1 - 2-3/8 Perforated Sub. EUE
2 - Jts. 2-3/8 EUE, J-55, 4.70# w/hull plug, Mud anchor
1 - 2 x 1½ x 8 T/B - Pump bottom hold down

English #4

T. D. - 1618 10-3/4" Csg. @ 485'
7" Csg. @ 1608. Prod. Openhole 1608' - 1618'
2" Tbg.

English #5

T. D. - 1700 P.B.T.D. - 1668 No surface pipe.
7" Csg. @ 1572, 4½ Csg. @ 1699
2-3/8 Tbg.
Perfs. 1580-1584, 1596-1600, 1611-1615, 1638-1639

English #8

T. D. - 1504 10' of 8-5/8" conductor
5½" Csg. @ 1481'
Prod. Openhole 1481-1504
2-3/8 EUE Tbg.

English #26

T.D. - 1740' 8-5/8" Csg. @ 99'
P.B.D. 1707'
5½" Csg. @ 1740'
2-3/8" EUE Tbg.
Perfs - 1641-1644

English #31

T.D. - 1540' Perfs. - 1442-1445 8-5/8" Csg. @ 97'
T.P.B.D. 1506
5½" Csg. @ 1540'
2-3/8 EUE Tbg.

English #36

T.D. - 1575' 8-5/8" Csg. @ 375'
T.P.B.D. 1540, Perfs. 1480-1483
5½" Csg. @ 1575'
2-3/8 EUE Tbg.

Proposed Abandonment Procedure

1. MIRU (BOP's won't be needed because Coconino pressure estimated is less than 250 - 300 psi bottom hole. If pressure does exist however, install BOP's and proceed.)
2. If well has no tubing string, use tubing from previous well as work string.
3. RIH w/tubing open-ended to 50' below bottom perforation, or to TD, whichever is less. Pump cement to cover top perforation by 50' inside the casing. In open hole completions pump cement to cover bottom of csg. by 50'.
4. POH w/tbg. to 50' below top of surface casing. Pump sufficient cement to fill production casing to surface. (Cement volume must be at least 25 sx, a longer plug may be necessary to allow the required cement volume). Insert 10' abandonment marker 5' into cement.
5. Spot cement through Bradenhead valve to fill production csg. and surface csg. annulus (100' plug if surface pipe extends far enough).
6. Pour cement cap extending 12" beyond largest diameter csg. and 4" thick.
7. Rehabilitate location and access road using stipulations supplied by the surface management agency.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Caller Service 4104
Farmington, New Mexico 87499

IN REPLY REFER TO:
3100 (016)
I-149-IND-7180

MAR 26 1985

CERTIFIED—RETURN RECEIPT REQUESTED

Arco Oil and Gas Company
Production - Rocky Mountain District
Attn: Keith Angel
P. O. Box 2197
Farmington, NM 87499

RECEIVED
J. E. TAYLOR
FARMINGTON
DATE MAR 27 1985

Dear Mr. Angel:

Our records indicate that you are the operator of the following well on lease No. I-149-IND-7180:

<u>Well No.</u>	<u>Location</u>	<u>Date of Last Production</u>
— No. 26 English	NESW, sec. 16, T. 43 S., R. 22 E.	January 1982
— No. 6 English	SENE, sec. 16, T. 43 S., R. 22 E.	January 1982
— No. 7 English	NENW, sec. 16, T. 43 S., R. 22 E.	January 1982
— No. 31 English	NENE, sec. 21, T. 43 S., R. 22 E.	January 1982
— No. 2 English	NESW, sec. 22, T. 43 S., R. 22 E.	January 1982
— No. 36 English	NESW, sec. 22, T. 43 S., R. 22 E.	August 1983
— No. 4 English	SENE, sec. 22, T. 43 S., R. 22 E.	January 1982
— No. 5 English	SENE, sec. 22, T. 43 S., R. 22 E.	January 1982
— No. 8 English	SWNE, sec. 22, T. 43 S., R. 22 E.	January 1982
— No. 37 English	SWSE, sec. 22, T. 43 S., R. 22 E.	February 1983
— No. 11 English	NENW, sec. 26, T. 43 S., R. 22 E.	January 1982
— No. 9 English	SWNE, sec. 16, T. 43 S., R. 22 E.	January 1982

Title 43 CFR Section 3162.3-4 requires that the lessee shall promptly plug and abandon, condition as a service well, or condition as a water well, any well on a lease that is not used or useful for the purpose of the lease. Accordingly, you are required to advise this office within 30 days of the date of this letter, by Sundry Notice of your intent to perform one of the following:

1. Condition the well to a useful function.
2. Temporarily abandon the well.
- ✓ 3. Permanently plug and abandon the well.

Any temporary abandonment request must include the following:

1. Justification of the reason the well should be temporarily abandoned rather than permanently plugged and abandoned. A WELL MAY NOT BE TEMPORARILY ABANDONED FOR MORE THAN 12 MONTHS.

2. A complete record of perforations in the well casing.

3. Provide for the installation of a bridge plug or a cement plug no more than 50 feet above each set of open perforations and the well bore filled with conditioned, non-corrosive fluid and shut-in at the surface. If a bridge plug is used, it must be capped with cement. The cement cap must be the greater of 35 feet or five sacks of cement if placed by dump bailer or, 25 sacks if spotted by tubing. If a cement plug is used it must be the greater of 100 feet or 25 sacks of cement.

4. Rehabilitation of the surface must be performed on all disturbed surface except for that necessary to service the well.

5. The anticipated date the operations will occur. Albert Gonzales, Petroleum Engineering Technician, MUST BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO COMMENCING ANY ABANDONMENT SO THAT THE OPERATIONS CAN BE WITNESSED.

Any request for permanent plugging and abandonment must include the following:

1. The reason that the well should be permanently plugged and abandoned.


2. A plugging program to isolate and protect subsurface zones, other minerals and water zones.

3. The anticipated date the plugging will occur. Albert Gonzales, Petroleum Engineering Technician, MUST BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO COMMENCING ANY ABANDONMENT SO THAT THE PLUGGING CAN BE WITNESSED.

Failure to file a Sundry Notice providing the information requested above within 30 days of the date of this letter will result in an automatic assessment of \$250 pursuant to 43 CFR 3163.3(a), and Civil Penalties pursuant to 43 CFR 3163.4-1.

You are further advised that any instructions, orders and decisions issued by the Bureau of Land Management are subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

Sincerely yours,


Area Manager

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLI
(Other instructions
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		RECEIVED DEC 19 1985 DIVISION OF OIL GAS & MINING	5. LEASE DESIGNATION AND SERIAL NO. I-149-Ind-7180
2. NAME OF OPERATOR ARCO Oil and Gas Company, Division of Atlantic Richfield Company			6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR 707 17th Street, P. O. Box 5540 Denver, Colorado 80217			7. UNIT AGREEMENT NAME English Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2296'FNL & 671'FWL, Section 22			8. FARM OR LEASE NAME English WN
14. PERMIT NO. 4303715-917 API # - None CCSD		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5395' GL	9. WELL NO. 8
			10. FIELD AND POOL, OR WILDCAT Boundary Butte
			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 22-T43S-R22E
			12. COUNTY OR PARISH San Juan
			13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

ARCO Oil and Gas Company has completed the plug and abandon work on this well as outlined on the approved Sundry Notice and the verbally approved modified abandonment procedure. (see attachment) The procedure was modified due to the absence of a bradenhead on this well. We obtained verbal approval from Jim Lovato to perforate the production casing 100' below ground level; this allowed us to circulate cement to surface in the production casing/surface casing annulus. This work was performed from November 8, 1985 to November 11, 1985. Approximately 30 bbls. of oil were recovered during P & A operations on this well.

18. I hereby certify that the foregoing is true and correct

SIGNED

Chris Fuchs

TITLE

Production Supervisor

DATE

12/4/85

(This space for Federal or State office use)

APPROVED BY

TITLE

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

CONDITIONS OF APPROVAL, IF ANY:

DATE *12/23/85*

BY *John R. Enye*

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN THIS
Other destructive
reverse side

Form approved
Budget: Bureau No. 1004-1103
Expires August 1, 1985

LEASE DESIGNATION AND SERIAL NO.

I-149-Ind-7180

INDIAN ALLOTTEE OR TRIBE NAME

Navajo

UNIT AGREEMENT AND

English Unit

5. PART OF LEASE NAME

English WN

2. WELL NO.

8

10. FIELD AND POOL, OR WILDCAT

Boundary Butte

11. SEC. T. R. M. OR BLK. AND
SURVEY OR AREA

Sec. 22-T43S-R22E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

SUNDRY NOTICES AND REPORTS ON

Do not use this form for proposals to drill or re-deepest or plug back to a different reservoir
Use "APPLICATION FOR PERMIT" for such proposals.

DEC 19 1983

DIVISION OF OIL
& MINING

RECEIVED

APR 06 1985

BUREAU OF LAND MANAGEMENT

OIL WELL ☒ GAS WELL ☐ OTHER ☐

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Atlantic Richfield Company

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4. LOCATION OF WELL Report location clearly and in accordance with any State requirements.
See also space 17 below
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2296' FNL & 670' FWL, Section 22

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15. ELEVATIONS (Show whether OF, TO, OR, ETC.)

API#-None

5395' GL

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NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

PULL OR ALTER CASING ☐

FRACTURE TREAT ☐

MULTIPLE COMPLETION ☐

SHOOT OR ACIDIZE ☐

ABANDON* ☒

REPAIR WELL ☐

CHANGE PLANE ☐

Other ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

REPAIRING WELL ☐

FRACTURE TREATMENT ☐

ALTERING CASING ☐

SHOOTING OR ACIDIZING ☐

ABANDONMENT* ☐

(Other) ☐

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Attached is the proposed procedure for plugging and abandoning this well.

We plan to commence plugging operations by June, 1985.

18. I hereby certify that the foregoing is true and correct

SIGNED

Stephen Rose
S. C. Rose

TITLE Dist. Prod. Sup't.

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL IF ANY:

TITLE

APPROVED

DATE 3-28-85
APR 10 1985

DATE
for AREA MANAGER
FARMINGTON RESOURCE AREA

*See Instructions on Reverse Side

OPERATOR

English #31

T.D. - 1540' Perfs. - 1442-1445 8-5/8" Csg. @ 97'
T.P.B.D. 1506
5½" Csg. @ 1540'
2-3/8 EUE Tbg.

English #36

T.D. - 1575' 8-5/8" Csg. @ 375'
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6. Pour cement cap extending 12" beyond largest diameter csg. and 4" thick.
7. Rehabilitate location and access road using stipulations supplied by the surface management agency.

EXPRESS MAIL ROUTING SLIP

PAM

12-30 10:00A

TAMI

12-30 10:35

VICKY

1-3 8:30

CLAUDIA

G 1-2 8:08

STEPHANE

SB 12-30 12:29

CHARLES

CP 12-31 8:37

RULA

1-3 8:35

MARY ALICE

MAP 8:35 12/31

CONNIE

CD 8:17 12-31

MILLIE

1-3 9:45

PAM